-con	tinued	
104.2	1786	
104.9	1780	
104.3	1925	5
105:1	1942	,
105.0	1913	
104.7 Average	1870 Average	
24 Hour Shrinkage %:	7 Day Shrinkage %:	
.0002	.0042	10

Indentation Test

Test panels were cast $\frac{3}{4}$ " thick and allowed to air dry. 15 Indentation was evaluated by loading the surface of the panels with a 1" diameter disc.

Load on a 1" Disc	Observations	20
1250	No Indentation	
1500	No Indentation	
1750	Slight Indentation	
Setting Time:	_	
(Modified Vicat) ASTM C-	472 = 55 Minutes	25

TEST II

Composition: 80 lbs. Sand: 1.80 Cubic Feet Water: 7.85 Gallons

	Density p.c.f.	Compressive Strength psi	3
	104.8	1485	
	105.2	1622	
	104.1	1555	
	105.5	1520	
	105.0	1538	4
	104.9 Average	1544 Average	
24	Hour Shrinkage %:	7 Day Shrinkage %:	
,	.00002	.0047	•

Indentation Test

Test panels were cast \(\frac{3}{4}'' \) thick and allowed to air dry. Indentation was evaluated by loading the surface of the 5 panels with a 1" diameter disc.

Load on a 1" Disc	Observation
1250	No Indentation
1500	No Indentation
1750	Slight Indentation
Setting Time:	· ·
(Modified Vicat) ASTM C-47	72 = 86 Minutes

Other water soluble vinyl polymers are believed to be suitable for use in my invention; as well as water soluble calcium stearate to improve water resistance.

Having described my invention what I now claim is: 1. A flooring mix which consists essentially of:

- (a) a composition comprising calcium sulfate hemihydrate admixed with 0.005625 parts ±50% of a compound selected from the group consisting of water soluble polyvinyl alcohol and calcium stearate:
- (b) sand in an amount of from 1.8 to 2.5 parts by weight based on one part by weight of the calcium sulfate hemihydrate; and
- (c) water in an amount of from 0.6 to 0.9 parts by weight based on one part by weight of the calcium sulfate hemihydrate, the mix when set characterized by a dust free surface.
- 2. The mix of claim 1 which comprises a surfactant, an extender and a fluidizer present in the composition in an effective amount.
- 3. A composition for use in a flooring mix which when mixed with sand and water will set to form a flooring having a dust free surface which consists essentially of;
 - calcium sulfate hemidyrate admixed with 0.005625 parts ±50% of a compound selected from the group consisting of water soluble polyvinyl alcohol and calcium stearate.
- 4. The composition of claim 3 which includes effective amounts of surfactant, extender and fluidizer.

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